

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

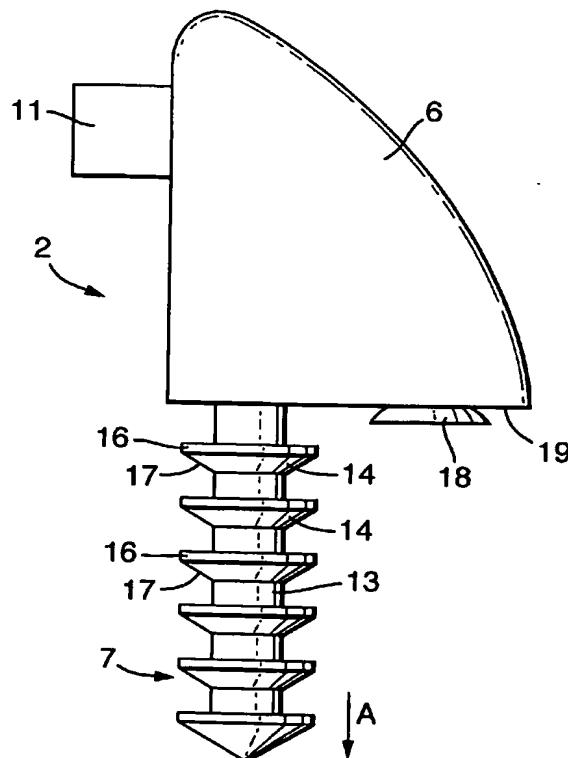
PCT

(10) International Publication Number
WO 2004/090353 A1

- (51) International Patent Classification⁷: **F16B 21/08**, A47K 13/12, 13/26
- (74) Agents: MERRYWEATHER, Colin, Henry et al.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5JJ (US).
- (21) International Application Number: PCT/GB2004/001553
- (22) International Filing Date: 8 April 2004 (08.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0308226.0 9 April 2003 (09.04.2003) GB
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

[Continued on next page]

(54) Title: TOILET SEAT FITTING



(57) Abstract: A toilet seat (1) has a pair of fittings (2, 3) for fixing the toilet seat (1) to a toilet pan (8) without the need for a nut. Each fitting has a post (7) for insertion into an aperture (9) in the toilet pan (8). The posts (7) have a central rod (13) and a plurality of annular engagement members (14) which protrude sideways relative to the direction of insertion A into the aperture (9) and are resiliently deflectable rearwardly so as to frictionally engage the inner circumferential surface (15) of the aperture (9). The engagement members (14) provide the greater frictional force in the direction opposite to the direction of insertion A than against movement in the direction of insertion A. The post (7) protrude from a head (6) which engages the toilet pan (8) around the aperture (9).



GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*